

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-320-2-A

Relating to Certification of New Medium-Duty Motor Vehicle Engines

AM GENERAL CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43835 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That AM General Corporation 1995 model-year Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,501 to 14,000 pounds:

Fuel Type: Gasoline

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
SAZ5.7C5GAAA	5.7 (350)	Oxidation Catalytic Converter Oxygen Sensor Exhaust Gas Recirculation Throttle Body Fuel Injection

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.1	14.4	5.0

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
SAZ5.7C5GAAA	0.6	8.3	1.9

BE IT FURTHER RESOLVED: That, pursuant to Title 13, California Code of Regulations, Section 1960.1(h)(1)(3) applicable to small-volume manufacturers, the listed engine models are certified to the exhaust emission standards and test procedures applicable to 1994 model-year heavy-duty Otto-cycle engines set forth in Title 13, California Code of Regulations, Section 1956.8.

BE IT FURTHER RESOLVED: That the listed engine models comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.


BE IT FURTHER RESOLVED: That the listed engine models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That, for the listed vehicle models, the manufacturer has submitted material required to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 14th day of February, 1995.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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INCOMPLETE MEDIUM-DUTY VEHICLE ENGINES CERTIFIED
USING HEAVY-DUTY OTTO ENGINE TEST PROCEDURESPage 1 of 1

SA25.TC56AAA

Manufacturer AM General Corporation Engine Family _____
Displacement: 5.7 / _____ Liters 350 / _____ Cubic Inches
Maximum Rated Power: 180 HP @ 4000 RPM Engine Configuration: V8
Cert Std: Tier-0x Tier-1___ LEV___ ULEV___ Eng Intended Service Class: M4___ M5x
Fuel Type(s): Dedicated___ Flex-Fuel___ Dual-Fuel___ Gasoline x M100___
M85___ CNG___ LNG___ LPG___ Other (specify)_____
Exhaust ECS (e.g., MFI, TC, CAC): TBI/EGR/OC/O2S
(use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Ignition System or ECM/PCM Part No.	Fuel System Injector & Pump Part No.	EGR Valve Part No.	Catalytic Converter Part No.
<u>HUMMER</u>	<u>180 @ 4000</u>	<u>16213475</u>	<u>17093033</u>	<u>17087185</u>	<u>25152966</u>

Date Issued:

Revisions: _____